Colloids and Surfaces, 54 (1991) 366–367
Elsevier Science Publishers B.V., Amsterdam

Contents

(Abstracted/indexed in: Chemical Abstracts; Current Contents: Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

VOLUME 54 (1991)

Solubilization in nonionic microemulsions
J.M. Wiencek and S. Qutubuddin (Cleveland, OH, U.S.A.) 1
The influence of carbonate and magnesium ions on the growth of hydroxyapatite, carbonated apatite and human powdered enamel
A.A. Campbell, M. LoRe and G.H. Nancollas (Buffalo, NY, U.S.A.) 25
The mineralization of calcium phosphate on separated salivary protein films
A.A. Campbell and G.H. Nancollas (Buffalo, NY, U.S.A.) 33
Flow adsorption calorimetry of surfactants as a function of temperature, salinity, and wettability
L.A. Noll and B.L. Gall (Bartlesville, OK, U.S.A.) 41
Measurement of ion transport in soils by a radioabsorption method
T. Varró (Debrecen, Hungary) 61
Perfluorinated surfactants: Properties and applications. III. Phase diagrams of four component systems
R. Bongiovanni, E. Borgarello, C. Carniani and C. Genova (San Donato Milanese, Italy) 75
Mixed resin base-catalyzed decomposition of hydrogen peroxide
M.Y. El-Sheikh (Tanta, Egypt) 83
The adsorption of different types of monoclonal immunoglobulin on positively and negatively charged polystyrene latices
A.V. Elgersma (Wageningen, The Netherlands), R.L.J. Zsom (Arnhem, The Netherlands), W. Norde and J. Lyklema (Wageningen, The Netherlands) 89
Preparation of a diblock copoly (oxybutylene/oxyethylene) and study of its micellisation and surface properties in dilute aqueous solution
W.-B. Sun, J.-F. Ding, R.H. Mobbs, F. Heatley, D. Attwood and C. Booth (Manchester, United Kingdom) 103
Peculiar rheological properties of dilute aqueous solutions of polymers in contact with a rotating disc
M. Mikula, D. Bakoš and K. Vizárová (Bratislava, Czechoslovakia) 113
Consolidation of depletion flocculated concentrated suspensions. Influence of non-adsorbing polymer concentration on consolidation rate constants
D.J. Wedlock, A. Moman and J. Grimsey (Sittingbourne, United Kingdom) 125
Adhesion of quartz particles in liquid media
Á. Patzkó (Szeged, Hungary) 135
Kinetics of dissolution of calcium hydroxyapatite powder. IV. Interfacial calcium diffusion controlled process
J.M. Thomann, J.C. Voegel and Ph. Gramain (Strasbourg, France) 145
Mechanism of oleate interaction on salt-type minerals. Part III. Adsorption, zeta potential and diffuse reflectance FT-IR studies of scheelite in the presence of soidum oleate
K. Hanumantha Rao and K.S.E. Forssberg (Luleå, Sweden) 161

Characterization of the surfactant layer on alumina in water–dioxane mixtures
K. Esumi, T. Kobayashi and K. Meguro (Tokyo, Japan) 189
1-Methyl-8-oxyquinolinium betaine moiety as a probe of surfactant self-assembly systems
C.J. Drummond (Clayton, Australia), F. Grieser (Parkville, Australia) and S. Albers (Clayton, Australia) 197
Interactions between different anions and the goethite surface as seen by different methods
M. Djafer, R.K. Khandal and M. Terce (Versailles, France) 209
Immobilization of cadmium in sediment by treatment with an aluminum salt and freeze–thaw dehydration
X.G. Meng and R.D. Letterman (Syracuse, NY, U.S.A.) 219
Electro-optic information on polymer adsorption and its influence on the electric double layer of colloid particles
Ts. Radeva and M. Stoimenova (Sofia, Bulgaria) 235
Hydrodynamic layer thickness of poly(ethylene oxide) adsorbed on polystyrene latex
L. Couture and T.G.M. van de Ven (Montreal, Canada) 245
NMR investigation of the PEO–SDS aggregate
R. Ramachandran and G.J. Kennedy (Bound Brook, NJ, U.S.A.) 261
Rapid coagulation of polystyrene and polyvinylacetate particles. Influence of the initial particle number
H. Lichtenfeld, H. Sonntag and Ch. Dürr (Berlin, G.D.R.) 267
Proteins at the air/water interface and their inhibitory effects on enzyme lipolysis
M.G. Ivanova (Sofia, Bulgaria), R. Verger, A.G. Bois (Marseille, France) and I. Panaiotov (Sofia, Bulgaria) 279
Heat-flow microcalorimetric study of the adsorptive properties of a slightly weathered bituminous coal
P.F. Rossi (Genova, Italy), A. Vettor, G. Milana (Milano, Italy) and G. Busca (Genova, Italy) 297
A study of the relationship between the chemical structure of some carboxylic acids and their capacity to inhibit the crystal growth of calcium fluoride
F. Grases, A. Garcia-Raso, J. Palou, A. Costa-Bauza and J.G. March (Palma de Mallorca, Spain) 313
Some aspects of the adsorption properties of silanized silica gel at the solid/liquid interface. Part 1. Adsorption isotherms
J. Goworek and W. Stefaniak (Lublin, Poland) 321
Some aspects of the adsorption properties of silanized silica gel at the solid/liquid interface. Part 2. Thermogravimetric analysis
J. Goworek and W. Stefaniak (Lublin, Poland) 327
Surface spectroscopic studies of pristine and fouled membranes. Part I. Method development and pristine membrane characterization
M. Fontyn, K. van 't Riet and B.H. Bijsterbosch (Wageningen, The Netherlands) 331
Surface spectroscopic studies of pristine and fouled membranes. Part II. Method development and adsorption mechanism
M. Fontyn, K. van 't Riet and B.H. Bijsterbosch (Wageningen, The Netherlands) 349

Author Index 363
Subject Index 364
Contents (Vol. 54) 366